



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/671,654	09/28/2000	Shunpei Yamazaki	0756-2210	7425

22204 7590 09.06.2002

NIXON PEABODY, LLP  
8180 GREENSBORO DRIVE  
SUITE 800  
MCLEAN, VA 22102

EXAMINER

ZIMMERMAN, GLENN

ART UNIT	PAPER NUMBER
----------	--------------

2879

DATE MAILED: 09/06/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No.	Applicant(s)	
	09/671,654	YAMAZAKI ET AL.	
	Examiner	Art Unit	
	Glenn Zimmerman	2879	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 September 2000 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All   b) ☐ Some \*   c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                 | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). ____   |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)        | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) ____ | 6) <input type="checkbox"/> Other:  |

Art Unit: 2879

## DETAILED ACTION

### *Drawings*

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "404" has been used to designate both lead frame and binder layer. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference sign(s) not mentioned in the description: 149. A proposed drawing correction, corrected drawings, or amendment to the specification to add the reference sign(s) in the description, are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

### *Specification*

The disclosure is objected to because of the following informalities: On page 3 lines 19-20, the applicant states "Besides, it has a low becomes a cause for resistance to heat, and this is also a factor in promoting oxidation.", which sounds like it needs to be reworked.

Appropriate correction is required.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1,3,5,7,9 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuura et al. U.S. Patent 6,175,186 B1 in view of Yamanaka et al. U.S. Patent 6,103,558.

Regarding claims 1, 3, 5, 7, 9 and 11, Matsuura et al. teach an active matrix (**col. 3 lines 54-58**) type organic EL display device (**title**) comprising: an organic EL layer (**organic layer Fig. 1 ref. 5**) and a bed plate (**glass substrate ref. 2**) and a cover plate (**glass, oxide ceramic or nitride ceramic sealing plate ref. 7; col. 11 lines 30-35; col. 8 lines 38-41**) formed of an insulating material; a packing material (**adhesive layer ref. 8**) for bonding the bed and cover plates, wherein a vacant space (**no ref. # or pixel section col. 9 lines 45-50**) which is defined by the bed plate and the cover plate and the packing material, and wherein the vacant space is filled with an inert gas (**col. 11 lines 24-26**) and a drying agent (**col. 11 lines 25-38**), but fail to teach an insulated gate field effect transistor provided on a single crystal semiconductor substrate. Yamanaka et al. in the analogous art teach an insulated gate field effect transistor provided on a single crystal semiconductor substrate (**Fig. 77a; col. 2 lines 20-45**). Additionally,

Yamanaka et al. teach incorporation of such a FET to improve the performance by having a high driving performance (**col. 2 lines 31-35**).

Consequently it would have been obvious to a person having ordinary skill in the art at the time the invention was made to use an insulated gate field effect transistor provided on a single crystal semiconductor substrate in the Organic Electroluminescent Element of Matsuura et al. since such a modification would have high driving performance as taught by Yamanaka et al.

Claims 2,4,6,8,10 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsuura et al. U.S. Patent 6,175,186 B1 in view of Yamanaka et al. U.S. Patent 6,103,558 and Jones U.S. Patent 5,903,098.

Regarding claims 2,4,6,8,10 and 12, Matsuura et al. and Yamanaka et al. teach all the limitations of claims 2,4,6,8, and 10, but fail to teach a display is employed for use in a goggle. Jones in the analogous art teach that a display is employed for use in a goggle (**col. 2 lines 28-34**). Additionally, Jones teaches incorporation of such a display in a goggle to improve ready viewing (**col. 2 lines 30-31**).

Consequently it would have been obvious to a person having ordinary skill in the art at the time the invention was made to use goggles in display of Matsuura et al. and Yamanaka et al. since such a modification would improve ready viewing as taught by Jones.

**Conclusion**

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Yamanaka et al. U.S. Patent 6,351,010 B1 disclose an Electrooptical Device, Substrate for Driving Electrooptical Device and Methods for Making the Same. Yamanaka et al. U.S. Publication 2002/0066901 A1 discloses an Electrooptical Device, Substrate for Driving Electrooptical Device and Methods for Making the Same. Yamanaka et al. U.S. Patent 6,372,558 B1 disclose an Electrooptic Device Driving Substrate for Electrooptic Device, and Method of Manufacturing the Device and Substrate. Yamanaka et al. U.S. Patent 6,103,558 B1 disclose a Process for Producing Electrooptical Apparatus and Process for Producing Driving Substrate for Electrooptical Apparatus. Yamazaki et al. U.S. Patent 6,380,558 B1 disclose a Semiconductor Device and Method of Fabricating the Same. Yamazaki et al. U.S. Patent 6,274,887 B1 disclose a Semiconductor Device and Manufacturing Method Therefor. Yamanaka et al. U.S. Patent 6,346,718 B1 disclose an Electro-Optic Device, Drive Substrate for Electro-Optic Device and Method of Manufacturing the Same.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Glenn Zimmerman whose telephone number is (703) 308-8991. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on (703) 305-4794. The fax phone numbers

Application/Control Number: 09/671,654

Page 6

Art Unit: 2879

for the organization where this application or proceeding is assigned are (703) 308-7382

for regular communications and (703) 308-7382 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is n/a.



Glenn Zimmerman  
August 29, 2002



ASHOK PATEL  
PRIMARY EXAMINER